### JC04 Rec'd PCT/PTO 11 OCT 2005

Approved for use through 03/31/2007. OMB 0651-0021
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

#### Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES VT7=004US DESIGNATED/ELECTED OFFICE (DO/EO/US) CATION O (MAGA), sec ZNEWAPPLIKATION n. see 37 CFR 1.5) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/KR2004/000821 8 April 2004 10 April 2003 TITLE OF INVENTION METHOD AND APPARATUS FOR DETERMINING SEARCH RANGE FOR ADAPTIVE MOTION VECTOR FOR USE IN VIDEO ENCODER APPLICANT(S) FOR DO/EO/US In-Seong HWANG et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). X A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. b. X is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. a. b. has been previously submitted under 35 U.S.C. 154(d)(4). 7. X Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. b. have not been made; however, the time limit for making such amendments has NOT expired. d. x have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98 (2 sheets) with SB/08 Form and 1 Reference. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 15. A substitute specification. 16. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 17. 18 A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

# JC20 Recordentation 1 1 OCT 2009

PTO-1390 (Rev. 07-2005)
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U.S. APPLICATION NO OFFICE STEEDS.S.			5) INTERNATIONAL APPLICATION NO. PCT/KR2004/000821		ATTORNEY'S DOCKET NUMBER VT7-004US	
20. x Other	items or inform	PCT N Interna	Notification of the Rec	d Application (with Inter ording of a Change; PC eport if Patentability; Ce	CT Notification of	of Transmittal of
The foll	owing fees hav	ve been submitt	ed		CALCULATIO	NS PTO USEONLY
21. x Basic national fee (37 CFR 1.492(a))					\$ 300.	
22. X Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0  All other situations \$200						00
23. X Search fee (37 CFR 1.492(b))  If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)						00
	TOTAL OF 21, 2	22 and 23 =			\$ 1,000.	00
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  Total Sheets Extra Sheets Number of each additional 50 or fraction RATE						į
- 100 =	/50 =		up to a whole number)	x \$250.00	<b>\$</b>	
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					\$ 130.	00
CLAIMS	CLAIMS NUMBER FIL		NUMBER EXTRA	RATE		
	Total claims 22 - 20		2	x 50.00	100.	00
Independent claims 2 - 3 =				X .	0.	00
MULTIPLE DEP	ENDENT CLAIM(	S) (if applicable)	TOTAL OF A	+ BOVE CALCULATIONS =	\$ 1,230.	00
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.					1,230.	<del></del>
·				SUBTOTAL =	\$ 1,230.	00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					\$	
TOTAL NATIONAL FEE =					\$	1,230.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					\$	
TOTAL FEES ENCLOSED =						1,230.00
	. <u>.</u>				Amount to be refunded:	\$
					Amount to be charged	\$

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b. x Please charge my Deposit Account No. 12-0080 in the amo	ount of \$1,230.00 to cover the above fees.					
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c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit						
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Kevin J. Canning	$\cup$					
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(617) 227-7400						
Date: October 11, 2005						
CUSTOMER NUMBER: 00959	05.470					
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Application No. (if known): NEW APPLICATION

Attorney Docket No.: VT7-004US

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Transmittal Letter (3 sheets in duplicate); Information Disclosure Statement (2 sheets) with Form PTO/SB/08 (1 sheet) and 1 Reference; PCT International Published Application (WO 2004/091222 A1) (with International Search Report attached) (33 sheets); PCT Notification of the Recording of a Change (1 sheet); PCT Notification of Transmittal of International Preliminary Report if Patentability (5 sheets); Application Data Sheet (3 sheets); Certificate of Express Mailing (1 sheet); and Return Postcard.